

## Claims

1. Electromagnetic radiation detection device comprising two superposed detectors,  
5 a first non-cooled detector detecting a first range of wavelengths and a second non-cooled detector (30) detecting a second range of wavelengths, device characterized in that the first detector is arranged inside a protective housing (8), at least a top wall of the protective housing (8) comprising the second detector (30).  
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2. Detection device according to claim 1, characterized in that the wavelengths of the first range are higher than the wavelengths of the second range.
3. Detection device according to one of the claims 1 and 2, characterized in that the  
15 housing (8) comprises a base formed by an electronic processing circuit (3), whereon the first detector is mounted.
4. Detection device according to claim 3, characterized in that it comprises electrical connection elements between the second detector and the circuit (3).  
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5. Detection device according to claim 4, characterized in that it comprises support elements (5) of the first detector constituting electrical connection elements between the first detector and/or the second detector (30) and the electronic processing circuit (3).  
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6. Detection device according to any one of the claims 1 to 5, characterized in that at least the top wall of the protective housing (8) is formed by the second detector (30).
- 30 7. Detection device according to claim 6, characterized in that the second detector (30) forms the top and side walls of the protective housing (8).

8. Detection device according to any one of the claims 1 to 7, characterized in that the first range of wavelengths is comprised in the infrared range.

5 9. Detection device according to claim 8, characterized in that the first detector is a bolometer (1), a thermocouple or a diode.

10. Detection device according to any one of the claims 1 to 9, characterized in that the second range of wavelengths is comprised in the visible or ultraviolet range.

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11. Detection device according to claim 10, characterized in that the second detector (30) is a photovoltaic, photoconductive or phototransistor detector.

12. Detection device according to any one of the claims 1 to 9, characterized in that  
15 the second range of wavelengths is comprised in the X-ray range.

13. Detection device according to any one of the claims 1 to 12, characterized in that it comprises a plurality of first detectors arranged inside the same protective housing (8).

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14. Detection device according to claim 13, characterized in that the wall of the protective housing (8) comprises a plurality of reticulated zones arranged above each first detector, so that each reticulated zone comprises a second detector (30).